Thomas J Gardner

From: Guram Chlachidze
Sent: Thursday, February 12, 2015 6:18 PM
To: Gueorgui Velev; David J Harding; Thomas J Gardner; Oliver J Kiemschies; John R Zweibohmer; James N Blowers; Paul C Czarapata
Cc: Helen Szuba; Guram Chlachidze
Subject: Reminder: AD/TD projects meeting at 1:30 pm this Friday, Feb 13

Dear all,
We are going to have our AD/TD projects meeting this Friday, February 13, at 1:30 pm in the TD engineering room (ICB, 3rd floor).
Agenda is shown below.
Thanks,
- Guram

AD/TD Projects Meeting
Friday, Feb 13 2014, 1:30 PM
ICB Engineering conference room, ICB 3rd floor.
Archives for previous meetings can be found at:
http://tdserver1.fnal.gov/AcceleratorSupport/TD-BD_Meetings/

Status

RFQ:
552 – Build 3 new Einzel lens solenoids for Proton Source. Design was modified to avoid electrical arcs/trips.
One unit of the new design was assembled and tested. Fail rate was found high and decided to do further design changes. Currently design finalized, parts in procurement.

Linac: -
490 – Linac Drift-Tube (DTL) Type VI quadrupole. Spare unit was used for the Neutron Therapy Facility (NTF) beamline. One magnet was recently revalidated at TD – cleaned and inspected. Contacted BNL for drawings and schematics, we will try to rebuild one DTL Type VI quadrupole.

Booster:
372 - Build 3 short kickers BKEF003-005.
Task completed. Plan to build 3 more kickers to accumulate spare unites for future need.

372 - Refurbishing of the old RF tuners, helping AD, refurbishing old copper cones and commissioning the new aluminum cones. Task Completed.

508 – Fabricate new RF tuners. The first Booster RF tuner PRFTA001 with new ferrites was fabricated with AD help and successfully tested at AD. Currently PRFTA002 assembly in progress, all work done by our technicians. 20 units to prepare in total.

372 - Replace 2 BMA correctors. TD will provide BMA magnets. Beam tubes will be provided by AD. Task completed.

491 – Booster RF tuner rework. Currently working on new tuners only.

MI/RR:
373 - Prepare replacement for the MI abort line magnet IQH. No spare magnet is available, so IQB magnet will be re-worked. Spare IQH will be ready during this shutdown. Task Completed.

373 - Prepare spare ADCW magnet for the MI/RR transfer line. Faulty ADCW003 was replaced with the only spare magnet ADCW001. Since ADCW003 is still radioactive, we will build a spare ADCW from ADC magnet.
ADCW005 was fabricated and tested. ADCW003 will be removed from the tunnel during the forthcoming shutdown.

543 – Fabricate 5 MQT Main Injector quad correctors for this shutdown.
3 magnets fabricated and tested. Coils and cores available for 2 magnets. Keep as a fill-in job, will be completed soon.

375 – MLAW002-1 Lambertson magnet assembly and measurements. Task Completed.

570 – Fabricate spare MLAW Lambertson magnet and additional spare coil. Magnet assembly is in progress. First set of coils are ready for potting, another set of coils already wound.

375 - 2 RKB kickers in the Recycler, all parts are available. Currently assembly is in progress. Task Completed.

554 – Convert 2 HDD into a rolled, wide-gap HDDRW. Task Completed.

External beam lines:

412 - Reconditioning of EDB into EDBC magnets: 2 magnets for this shutdown are DONE, one spare magnet reconditioning in progress.

406 - 2 BDP upgrade from B2 dipoles.
One BDP for NuMI BDP827 was upgraded and tested. Upgrade of the 2nd B2 for BT AIP is in progress.

Muon Campus/g-2:
530 – g-2 Lambertson: design finalized, orders were made for all tooling and parts.

569 – g-2 septum magnet: design finalized, working on drawings.

2015 Accelerator System shutdown plans:

Mechanical support will be provided